

Attorney Docket No. CHEM-30134
Application No. 10/600,810

Amendment and Response Accompanying
Request for Continued Examination (RCE)

In the Claims

Please cancel claims 1-13 and 20. Claims 18-19 were previously canceled.
Please amend claims 14 and 21 and add new claims 22-36, as shown below.

Claims 1-13 (Canceled)

14. (Currently Amended) A fire fighting composition comprising water, a high molecular weight acidic polymer (HMWAP) having an average molecular weight of from 5000 g/mol or greater, a hydrocarbon surfactant and a coordinating salt, the fire fighting composition meeting UL 162, Class B performance criteria for at least one of AFFF agents and fluoroprotein (FP) agents without requiring organic fluorine and that does not form a stable seal on cyclohexane.

15. (Original) The fire fighting composition of claim 14, further comprising:

at least one of a fluorochemical surfactant, an amphoteric hydrocarbon surfactant, an anionic surfactant, a nonionic surfactant, a foaming aid, a freeze protection agent, a sequestering agent, a buffering agent, a corrosion inhibitor, a polymeric film former, an antimicrobial agent, a preservative, a polymeric foam stabilizer and a polymeric foam thickener.

16. (Original) The fire fighting composition of claim 14, wherein:

the fire fighting composition meets UL 162, Class B performance criteria for both AFFF agents and fluoroprotein (FP) agents without requiring organic fluorine.

Attorney Docket No. CHEM-30134
Application No. 10/600,810

Amendment and Response Accompanying
Request for Continued Examination (RCE)

17. (Original) The fire fighting composition of claim 14, wherein the HMWAP content is from about 0.01 to about 0.3% by weight of the fire fighting composition, and wherein the coordinating salt content is from about 0.1 to about 1.5% by weight of the fire fighting composition.

Claims 18 -20 (Canceled)

21. (Currently Amended) The ~~concentrate~~ composition of claim 14, wherein:

the coordinating salt is a polyvalent salt.

22. (New) The composition of claim 14, further comprising a fluorochemical surfactant, the fluorochemical surfactant providing the fire fighting composition with less than about 0.006% fluorine by weight of the fire fighting composition.

23. (New) The composition of claim 14, wherein the composition has less than about 0.002% fluorine by weight of the fire fighting composition.

24. (New) The composition of claim 14, wherein the composition has less than about 0.001% fluorine by weight of the fire fighting composition.

25. (New) The composition of claim 14, wherein the fire fighting composition has a spreading coefficient against cyclohexane of zero or less.

26. (New) The composition of claim 14, wherein the fire fighting composition has from about 0.03% to about 0.2% HMWAP by weight of the fire fighting composition, and wherein the fire fighting composition has from about 0.12% to about 1.2% of the coordinating salt by weight of the fire fighting composition.

Attorney Docket No. CHEM-30134
Application No. 10/600,810

Amendment and Response Accompanying
Request for Continued Examination (RCE)

27. (New) The composition of claim 14, wherein the coordinating salt is selected from salts and electrolytes of aluminum, antimony, barium, boron, calcium, copper, iron, magnesium, calcium, strontium and zinc.
28. (New) The composition of claim 14, wherein the HMWAP includes those polymers having C4 to C22 alkyl branching.
29. (New) A fire fighting composition comprising water, a high molecular weight acidic polymer (HMWAP) having an average molecular weight of from 5000 g/mol or greater, a hydrocarbon surfactant and a polyvalent coordinating salt, the fire fighting composition meeting UL 162, Class B performance criteria for at least one of AFFF agents and fluoroprotein (FP) agents and that does not form a stable seal on cyclohexane.
30. (Original) The fire fighting composition of claim 29, wherein the HMWAP content is from about 0.01 to about 0.3% by weight of the fire fighting composition, and wherein the coordinating salt content is from about 0.1 to about 1.5% by weight of the fire fighting composition.
31. (New) The composition of claim 29, further comprising a fluorochemical surfactant, and wherein the fluorochemical surfactant provides the fire fighting composition with less than about 0.006% fluorine by weight of the fire fighting composition.
32. (New) The composition of claim 29, wherein the composition has less than about 0.002% fluorine by weight of the fire fighting composition.
33. (New) The composition of claim 29, wherein the coordinating salt is selected from salts and electrolytes of aluminum, antimony, barium, boron, calcium, copper, iron, magnesium, calcium, strontium and zinc.

Attorney Docket No. CHEM-30134
Application No. 10/600,810

Amendment and Response Accompanying
Request for Continued Examination (RCE)

34. (New) The composition of claim 29, wherein the HMWAP includes those polymers having C4 to C22 alkyl branching.

35. (Original) The fire fighting composition of claim 29, wherein:

the fire fighting composition meets UL 162, Class B performance criteria for both AFFF agents and fluoroprotein (FP) agents.

36. (New) A fire fighting composition comprising water, a high molecular weight acidic polymer (HMWAP) having an average molecular weight of from 5000 g/mol or greater in an amount of from about 0.01% to about 0.3% by weight of the fire fighting composition, a hydrocarbon surfactant and a polyvalent coordinating salt in an amount of from about 0.1 to about 1.5% by weight of the fire fighting composition, the fire fighting composition meeting UL 162, Class B performance criteria for at least one of AFFF agents and fluoroprotein (FP) agents and that does not form a stable seal on cyclohexane.